

AMENDMENT

Please enter the following amendments:

IN THE CLAIMS

Please amend claim 15 as follows:

A 15. (Amended) A Fischer-Tropsch reactor [having] comprising the catalyst structure recited in claim [14] 1

Cancel claims 7-9 without prejudice or disclaimer.

Please add new claims 16-17 as follows:

- A2 B1
- 16. A method of carbon monoxide hydrogenation comprising:
- (a) providing a catalyst structure in a reactor, wherein the catalyst structure comprises a porous structure having a catalyst thereon;
 - (b) passing a feed stream comprising carbon monoxide gas and hydrogen gas through the catalyst structure; and
 - (c) heating the catalyst structure to at least 200°C;
- wherein the feed stream has a residence time in the reactor of less than five seconds; and
- wherein a product stream is obtained that exhibits the properties of at least a 25% conversion of carbon monoxide and at most 25% selectivity toward methane.